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# Numerical Results of the Field Experiments 1968

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## 68/DA/5 Ccc, Row Spacing and N - W. Wheat

### Rothamsted Research

Rothamsted Research (1970) *68/DA/5 Ccc, Row Spacing and N - W. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 299 - 300 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Da/5.1

WINTER WHEAT

(RW 401)

Chlormequat, row spacing and N - Pastures 1968.

Design: 4 randomised blocks of 12 plots.

Area of each plot: 0.0212. Area harvested: 0.0140.

Treatments: All combinations of:-

1. Row spacing: 4 (C), 8 (W) inches.
2. Chlormequat\*: None (O), sprayed at 2 lb in 32 gals (S).
3. N: 0.8 (N1), 1.6 (N2) 2.4 (N3) cwt as 'Nitro-Chalk'.

\* 2-chloroethyltrimethylammonium chloride (CCC).

Basal applications: 340 lb (0:20:20) broadcast by drill. Ground chalk: 50 cwt to two southerly blocks, 100 cwt to two northerly. Weedkiller: Ioxynil/mecoprop (Actril C at 6 pints in 20 gals).

Cultivations, etc.: Ground chalk applied: 10 Oct, 1967. Deep-tine cultivated twice: 19 Oct. Basal PK applied, seed drilled at 180 lb: 24 Oct. Chlormequat applied: 28 Mar, 1968. 'Nitro-Chalk' applied: 22 Apr. Weedkiller applied: 26 Apr. Combine harvested: 25 Aug. Variety: Cappelle. Previous crops: Fallow 1966, potatoes 1967.

Standard error per plot.

Grain: 3.46 or 9.2% (33 d.f.)

68/Da/5.2

# SUMMARY OF RESULTS

|   |         |                 | GRAIN |         |      | Mean    |
|---|---------|-----------------|-------|---------|------|---------|
|   | O       | S               | N1    | N2      | N3   |         |
|   | (±1.00) |                 |       | (±1.22) |      | (±0.71) |
| C | 38.4    | 39.0            | 44.3  | 37.1    | 34.7 | 38.7    |
| W | 36.6    | 36.2            | 42.9  | 35.3    | 31.0 | 36.4    |
|   |         |                 |       | (±1.22) |      | (±0.71) |
|   |         | O               | 43.7  | 34.8    | 33.9 | 37.5    |
|   |         | S               | 43.4  | 37.5    | 31.8 | 37.6    |
|   |         | Mean<br>(±0.87) | 43.6  | 36.2    | 32.9 | 37.5    |

Mean D.M. %: 82.0